

SEQUENCE LISTING



<110> Shaw, J. Stephen
National Institutes of Health

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 <223> A synthetic peptide

<400> 113
 Gly Glu Asn Val Leu Lys Lys Ser Met Lys Ser Arg Val Lys Gly
 1 5 10 15

 <210> 114
 <211> 16
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 114
 Lys Lys Lys Lys Arg Ala Ser Phe Lys Arg Lys Ser Ser Lys Lys Gly
 1 5 10 15

 <210> 115
 <211> 13
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 115
 Asn Arg Lys Lys Lys Arg Thr Ser Phe Lys Arg Lys Ala
 1 5 10

 <210> 116
 <211> 17
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 116
 Glu Glu Gly Thr Phe Arg Ser Ser Ile Arg Arg Leu Ser Thr Arg Arg
 1 5 10 15
 Arg

 <210> 117
 <211> 13
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 117
 Asn Arg Lys Lys Lys Arg Thr Ser Phe Lys Arg Lys Ala
 1 5 10

 <210> 118
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

<400> 118
 Arg Pro Gln Asn Thr Leu Lys Ala Ser Lys Lys Lys Lys Arg Ala Ser
 1 5 10 15
 Phe Lys Arg Lys
 20

<210> 119
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> A synthetic peptide

<400> 119
 Lys Lys Arg Phe Ser Phe Lys Lys Ser Phe Lys Leu Ser Gly Phe Ser
 1 5 10 15
 Phe Lys Lys Asn
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<210> 120
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 120
 Ala Lys Arg Arg Arg Leu Ser Ser Leu Arg Ala Ser Thr Ser Lys
 1 5 10 15

<210> 121
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 121
 Leu Arg Arg Arg Ser Leu Arg Arg Ser Asn Ser Ile Ser Lys Ser Pro
 1 5 10 15
 Gly Pro

<210> 122
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 122
 Arg Ala Ile Thr Ser Thr Leu Ala Ser Ser Phe Lys Arg Arg Arg
 1 5 10 15

<210> 123
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
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 <400> 123
 Lys Lys Arg Phe Ser Phe Lys Lys Ser Phe Lys Leu Ser Gly Phe Ser
 1 5 10 15
 Phe Lys Lys Asn
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 <210> 124
 <211> 14
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 <220>
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 <400> 124
 Pro Arg Leu Ile Arg Arg Gly Ser Lys Lys Arg Pro Ala Arg
 1 5 10

 <210> 125
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
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 <400> 125
 Pro Leu Lys Glu Lys Lys Arg Glu Arg Lys Thr Ser Ser Lys Ser Ser
 1 5 10 15
 Val Arg Lys Arg
 20

 <210> 126
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 126
 Lys Ala Ile Lys Ala Ile Glu Gly Gly Gln Lys Phe Ala Arg Lys Ser
 1 5 10 15
 Thr Arg Arg Ser
 20

 <210> 127
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 127
 Ser Gln Val Gln Lys Gln Arg Ser Ala Gly Ser Phe Lys Arg Asn Ser
 1 5 10 15
 Ile Lys Lys Ile
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<210> 128
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 128
 Gln Gln Val Asp Arg Glu Arg Pro His Val Arg Arg Arg Arg Gly Thr
 1 5 10 15
 Phe Lys Arg Ser
 20

 <210> 129
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 129
 Val Gln Arg His Arg Ser Met Arg Lys Thr Phe Ala Arg Tyr Leu Ser
 1 5 10 15
 Phe Arg Arg Asp
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 <210> 130
 <211> 13
 <212> PRT
 <213> Artificial Sequence

 <220>
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 <400> 130
 Glu Tyr Leu Glu Arg Arg Ala Ser Arg Arg Arg Ala Val
 1 5 10

 <210> 131
 <211> 14
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 131
 Trp Lys Gly Lys Arg Arg Ser Lys Ala Arg Lys Lys Arg Lys
 1 5 10

 <210> 132
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

<400> 132
 Gly Phe Leu Asn Glu Pro Leu Ser Ser Lys Ser Gln Arg Arg Lys Ser
 1 5 10 15
 Leu Lys Leu Lys
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<210> 133
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 133
 Leu Glu Lys Arg Gly Met Leu Gly Lys Arg Pro Arg Arg Lys Ser Ser
 1 5 10 15
 Arg Arg Lys Lys
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<210> 134
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 134
 Arg Ser Arg Ser Arg Ser Arg Ser Lys Ser Lys Asp Lys Arg Lys Ser
 1 5 10 15
 Arg Lys Arg Ser
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<210> 135
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 135
 Lys Lys Lys Phe Arg Thr Pro Ser Phe Leu Lys Lys Ser Lys Lys
 1 5 10 15

<210> 136
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> A synthetic peptide

<400> 136
 Arg Ala Arg Arg Asp Ser Leu Lys Lys Ile Glu Ile Trp
 1 5 10

<210> 137
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> A synthetic peptide

 <400> 137
 Pro Ser Lys Ser Pro Ser Lys Lys Lys Lys Lys Phe Arg Thr Pro Ser
 1 5 10 15
 Phe Leu Lys Lys
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 <210> 138
 <211> 13
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 138
 Glu Tyr Leu Glu Arg Arg Ala Ser Arg Arg Arg Ala Val
 1 5 10

 <210> 139
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 139
 Arg Pro Thr Pro Gly Asp Gly Glu Lys Arg Ser Arg Ile Lys Lys Ser
 1 5 10 15
 Lys Lys Arg Lys
 20

 <210> 140
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 140
 Thr Glu Leu Glu Gly Gly Phe Ser Arg Gln Arg Lys Arg Lys Leu Ser
 1 5 10 15
 Phe Arg Arg Arg
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 <210> 141
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 141
 Val Thr Asp Ser Gln Lys Arg Arg Glu Ile Leu Ser Arg Arg Pro Ser
 1 5 10 15
 Tyr Arg Lys Ile
 20

<210> 142
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 142
 Glu Arg His Val Ala Gln Lys Lys Ser Arg Leu Arg Arg Arg Ala Ser
 1 5 10 15
 Gln Leu Lys Ile
 20

 <210> 143
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 143
 Val Arg Tyr Thr Pro Tyr Thr Ile Ser Pro Tyr Asn Arg Lys Gly Ser
 1 5 10 15
 Phe Arg Lys Gln
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 <210> 144
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 144
 Leu Ser Ser Met Phe Gly Thr Leu Pro Arg Lys Ser Arg Lys Gly Ser
 1 5 10 15
 Val Arg Lys Gln
 20

 <210> 145
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 145
 Ile Ser Asp Phe Gly Leu Ala Lys Lys Leu Ala Val Gly Arg His Ser
 1 5 10 15
 Phe Ser Arg Arg
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 <210> 146
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> A synthetic peptide

 <400> 146
 Gln Ala Gln Arg Gln Ile Lys Arg Gly Ala Pro Pro Arg Arg Ser Ser
 1 5 10 15
 Ile Arg Asn Ala
 20

 <210> 147
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 147
 Arg Asp Ile Arg Gln Ser Pro Lys Arg Gly Phe Leu Arg Ser Ala Ser
 1 5 10 15
 Leu Gly Arg Arg
 20

 <210> 148
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 148
 Arg Glu Leu Glu Gln Leu Lys Ala Glu Tyr Leu Glu Arg Arg Ala Ser
 1 5 10 15
 Arg Arg Arg Ala
 20

 <210> 149
 <211> 18
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 149
 Arg Val Val Gln Ser Val Lys His Thr Lys Arg Lys Ser Ser Thr Val
 1 5 10 15
 Met Lys

 <210> 150
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

<400> 150
 Val Asp Pro Phe Tyr Glu Met Leu Ala Ala Arg Lys Lys Arg Ile Ser
 1 5 10 15
 Val Lys Lys Lys
 20

<210> 151
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 151
 Pro Gln Asn Ser Leu Lys Ala Ser Asn Arg Lys Lys Lys Arg Thr Ser
 1 5 10 15
 Phe Lys Arg Lys
 20

<210> 152
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 152
 Asp Leu Ile Glu Gly Arg Lys Gly Ala Gln Ile Val Lys Arg Ala Ser
 1 5 10 15
 Leu Lys Arg Gly
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<210> 153
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 153
 Thr Tyr Leu Leu Pro Asp Lys Ser Arg Gln Gly Lys Arg Lys Thr Ser
 1 5 10 15
 Ile Lys Arg Asp
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<210> 154
 <211> 20
 <212> PRT
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<220>
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<400> 154
 Lys Lys Phe Phe Thr Gln Gly Trp Ala Gly Trp Arg Lys Lys Thr Ser
 1 5 10 15
 Phe Arg Lys Pro
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<210> 155
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 155
 Arg Trp Asp Lys Arg Arg Trp Arg Lys Ile Pro Lys Arg Pro Gly Ser
 1 5 10 15
 Val His Arg Thr
 20

 <210> 156
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 156
 Ser Ala Gln Ile Thr Ile Pro Lys Asp Gly Gln Lys Arg Lys Lys Ser
 1 5 10 15
 Leu Arg Lys Lys
 20

 <210> 157
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 157
 Pro Ser Pro Ser Asn Glu Thr Pro Lys Lys Lys Lys Lys Arg Phe Ser
 1 5 10 15
 Phe Lys Lys Ser
 20

 <210> 158
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 158
 Val Gln Met Thr Trp Ser Tyr Pro Asp Glu Lys Asn Lys Arg Ala Ser
 1 5 10 15
 Val Arg Arg Arg
 20

 <210> 159
 <211> 20
 <212> PRT
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<220>
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 <400> 159
 Leu Tyr Ala Arg Leu Ala Arg Ala Tyr Arg Arg Ser Gln Arg Ala Ser
 1 5 10 15
 Phe Lys Arg Ala
 20

 <210> 160
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
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 <400> 160
 Pro Phe Glu Val Val Trp Tyr Lys Asp Lys Arg Gln Leu Arg Ser Ser
 1 5 10 15
 Lys Lys Tyr Lys
 20

 <210> 161
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 161
 Lys Tyr Lys Ala Phe Ile Arg Ile Pro Ile Pro Thr Arg Arg His Thr
 1 5 10 15
 Phe Arg Arg Gln
 20

 <210> 162
 <211> 20
 <212> PRT
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 <220>
 <223> A synthetic peptide

 <400> 162
 Lys Lys Lys Phe Ser Phe Lys Lys Pro Phe Lys Leu Ser Gly Leu Ser
 1 5 10 15
 Phe Lys Arg Asn
 20

 <210> 163
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
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<400> 163
 Pro Pro Arg Thr Pro Gly Trp His Gln Leu Gln Pro Arg Arg Val Ser
 1 5 10 15
 Phe Arg Gly Glu
 20

<210> 164
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> A synthetic peptide

<400> 164
 Thr Glu Gly Lys Met Ala Arg Val Ala Trp Lys Gly Lys Arg Arg Ser
 1 5 10 15
 Lys Ala Arg Lys
 20

<210> 165
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 165
 Thr Glu Glu Lys Ser Lys Lys Arg Lys Lys Lys His Arg Lys Asn Ser
 1 5 10 15
 Arg Lys His Lys
 20

<210> 166
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 166
 Met Ala Gln Ile Glu Arg Gly Glu Ala Arg Ile Gln Arg Arg Ile Ser
 1 5 10 15
 Ile Lys Lys Ala
 20

<210> 167
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> A synthetic peptide

<400> 167
 Gly Leu Pro Ala Pro Gly Glu Asp Lys Ser Ile Tyr Arg Arg Gly Ser
 1 5 10 15
 Arg Arg Trp Arg
 20

<210> 168
 <211> 12
 <212> PRT
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 <220>
 <223> A synthetic peptide

 <400> 168
 Ala Met Ser Arg Ser Ala Ser Lys Arg Arg Ser Arg
 1 5 10

 <210> 169
 <211> 11
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 169
 Arg Thr Arg Ser Arg Arg Leu Thr Phe Arg Lys
 1 5 10

 <210> 170
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
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 <400> 170
 Val Lys Leu Arg Arg Ser Lys Lys Arg Thr Lys Arg
 1 5 10

 <210> 171
 <211> 12
 <212> PRT
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 <220>
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 <400> 171
 Arg Arg Gly Arg Arg Ser Thr Lys Lys Arg Arg Arg
 1 5 10

 <210> 172
 <211> 12
 <212> PRT
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 <220>
 <223> A synthetic peptide

 <400> 172
 Val Arg Arg Arg Arg Ser Gln Arg Ile Ser Gln Arg
 1 5 10

<210> 173
 <211> 11
 <212> PRT
 <213> Artificial Sequence

 <220>
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 <400> 173
 Arg Ser Gly Arg Arg Arg Gly Ser Gln Lys Ser
 1 5 10

 <210> 174
 <211> 12
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 <220>
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 <400> 174
 Lys Lys Glu Arg Arg Arg Asn Ser Ile Asn Arg Asn
 1 5 10

 <210> 175
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
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 <400> 175
 Lys Lys Arg Arg Thr Lys Ser Ser Arg Arg Gly Val
 1 5 10

 <210> 176
 <211> 11
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 <213> Artificial Sequence

 <220>
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 <400> 176
 Arg Arg Glu Arg Ser Arg Ser Arg Arg Lys Gln
 1 5 10

 <210> 177
 <211> 12
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 <213> Artificial Sequence

 <220>
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 <400> 177
 Arg Arg Arg Arg Arg Ser Arg Thr Phe Ser Arg
 1 5 10

<210> 178
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 <212> PRT
 <213> Artificial Sequence

 <220>
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 <400> 178
 Arg Arg Arg Arg Ser Arg Thr Phe Ser Arg Ser
 1 5 10

 <210> 179
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 179
 Lys Arg His Tyr Arg Lys Ser Val Arg Ser Arg Ser
 1 5 10

 <210> 180
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
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 <400> 180
 Phe Leu Arg Arg Ser Ser Ser Arg Arg Asn Arg Ser
 1 5 10

 <210> 181
 <211> 11
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 <213> Artificial Sequence

 <220>
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 <400> 181
 Thr Gly Glu Arg Lys Arg Lys Ser Val Arg Gly
 1 5 10

 <210> 182
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 182
 Thr Lys Lys Lys Arg Gly Ser Tyr Arg Gly Gly Ser
 1 5 10

<210> 183
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
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 <400> 183
 Ala Arg Arg Ser Lys Arg Ser Arg Arg Arg Glu Thr
 1 5 10

 <210> 184
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 <212> PRT
 <213> Artificial Sequence

 <220>
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 <400> 184
 Phe Arg Ala Ser Ser Arg Ser Thr Thr Lys
 1 5 10

 <210> 185
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
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 <400> 185
 Lys Lys Phe Lys Arg Arg Leu Ser Leu Thr Leu Arg
 1 5 10

 <210> 186
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 186
 Asp Phe Arg Arg Arg Arg Ser Phe Arg Arg Ile Ala
 1 5 10

 <210> 187
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 187
 Leu Arg Arg Lys Ser Ser Thr Arg His Ile His Ala
 1 5 10

<210> 188
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 188
 Glu Arg Gly Arg Arg Gly Ser Lys Lys Gly Ser Ile
 1 5 10

 <210> 189
 <211> 11
 <212> PRT
 <213> Artificial Sequence

 <220>
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 <400> 189
 Gly Arg Arg Arg Arg Ser Arg Ser Lys Val Lys
 1 5 10

 <210> 190
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
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 <400> 190
 Arg Arg Arg Arg His Thr Met Asp Lys Asp Ser Arg
 1 5 10

 <210> 191
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 <212> PRT
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 <220>
 <223> A synthetic peptide

 <400> 191
 His Lys Arg Asn Ser Val Arg Leu Val Ile Arg
 1 5 10

 <210> 192
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
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 <400> 192
 Gly Asn Arg Lys Gly Lys Ser Lys Lys Trp Arg Gln
 1 5 10

<210> 193
 <211> 12
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 <220>
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 <400> 193
 Pro Leu Arg Lys Ser Ser Leu Lys Lys Gly Gly Arg
 1 5 10

 <210> 194
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 <220>
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 <400> 194
 Lys Arg Arg Lys Arg Lys Ser Leu Gln Arg His Lys
 1 5 10

 <210> 195
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 <213> Artificial Sequence

 <220>
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 <400> 195
 Pro Gly Ser Ser His Arg Lys Thr Lys Lys
 1 5 10

 <210> 196
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 <212> PRT
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 <220>
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 <400> 196
 Arg Trp Lys Arg Arg Arg Ser Tyr Ser Arg Glu His
 1 5 10

 <210> 197
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 <220>
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 <400> 197
 Ile Leu Arg Pro Ser Lys Ser Val Lys Leu Arg Ser
 1 5 10

<210> 198
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 <220>
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 <400> 198
 Arg Arg Arg Arg Pro Thr Lys Ser Lys Gly Ser Lys
 1 5 10

 <210> 199
 <211> 12
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 <220>
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 <400> 199
 Arg Gly Arg Arg Ser Arg Ser Arg Leu Arg Arg Arg
 1 5 10

 <210> 200
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 <220>
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 <400> 200
 Glu Gln Gln Arg Arg Ala Leu Ser Phe Arg Gln
 1 5 10

 <210> 201
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
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 <400> 201
 Thr Gln Asp Arg Arg Lys Ser Leu Phe Lys Lys Ile
 1 5 10

 <210> 202
 <211> 12
 <212> PRT
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 <220>
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 <400> 202
 Val Met Lys Arg Lys Phe Ser Leu Arg Ala Ala Glu
 1 5 10

<210> 203
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 203
 Val Arg Arg Ser Lys Lys Ser Lys Lys Lys Glu Ser
 1 5 10

 <210> 204
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> A synthetic peptide

 <400> 204
 Arg Phe Ser Arg Arg Ser Ser Ser Trp Arg Ile Leu
 1 5 10

 <210> 205
 <211> 12
 <212> PRT
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 <220>
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 <400> 205
 Glu Gly Arg Arg Ser Arg Ser Arg Arg Tyr Ser Gly
 1 5 10

 <210> 206
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 <220>
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 <400> 206
 Lys Ser Ser Arg Asn Ser Thr Ser Val Lys Lys Lys
 1 5 10

 <210> 207
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 <400> 207
 Ser Phe Arg Gly His Ile Thr Arg Lys Lys Leu Lys
 1 5 10

<210> 208
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 <400> 208
 Val Ser Arg Pro Arg Lys Ser Arg Lys Arg Val Asp
 1 5 10

 <210> 209
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 <400> 209
 Asp Lys Glu Lys Ser Lys Gly Ser Leu Lys Arg Lys
 1 5 10

 <210> 210
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 <220>
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 <400> 210
 Pro Leu Arg Arg Arg Glu Ser Met His Val Glu Gln
 1 5 10

 <210> 211
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 <220>
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 <400> 211
 Arg Ser Arg Ser Tyr Ser Arg Ser Arg Ser Arg
 1 5 10

 <210> 212
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
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 <400> 212
 Val Ser Arg Gly Ser Ser Leu Lys Ile Leu Ser Lys
 1 5 10

<210> 213
 <211> 12
 <212> PRT
 <213> Artificial Sequence

 <220>
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 <400> 213
 Arg His Ser Arg Ser Arg Ser Arg His Arg Leu Ser
 1 5 10

 <210> 214
 <211> 12
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 <220>
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 <400> 214
 Ser Arg Arg Arg Ser Pro Ser Tyr Ser Arg His Ser
 1 5 10

 <210> 215
 <211> 12
 <212> PRT
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 <220>
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 <400> 215
 Thr Lys Lys Arg Ser Lys Ser Arg Ser Lys Glu Arg
 1 5 10

 <210> 216
 <211> 12
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 <400> 216
 Ser Cys Arg Thr Ser Ser Arg Lys Arg Ala Gly Lys
 1 5 10

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 <222> 4
 <223> Xaa = pSer (phosphorylated serine)
 <400> 229
 Trp Lys Asn Xaa Ile Arg His
 1 5

<210> 230
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 4
<223> Xaa = pSer (phosphorylated serine)

<400> 230
Arg Arg Pro Xaa Tyr Arg Lys
1 5

<210> 231
<211> 5
<212> PRT
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<220>
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<220>
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<222> 1
<223> Xaa = biotinylated-Lys

<220>
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<222> 2
<223> Xaa = dansylated-Lys

<400> 231
Xaa Xaa Pro Pro Gly
1 5

<210> 232

<400> 232
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 1 5 10 15
 Glu
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 <223> Xaa = pS (phosphorylated serine)
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 Arg Val Ile Leu Gln Gly Arg Asp Xaa Asn Ile Pro Gly Ser Asp Tyr
 1 5 10 15
 Ile
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<223> Xaa = pS (phosphorylated serine)

<400> 291

Ala His Ala Lys Ala Ser Arg Thr Xaa Ser Lys His Lys Glu Asp Val
1 5 10 15
Tyr

<210> 292

<211> 17

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<222> 9

<223> Xaa = pS (phosphorylated serine)

<400> 292

Lys Lys Lys Leu Glu Val Leu Gln Xaa Gln Lys Gly Gln Glu Ser Glu
1 5 10 15
Tyr

<210> 293

<211> 17

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<220>

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<223> Xaa = pS (phosphorylated serine)

<400> 293

Pro Ser Glu Pro Gly Gly Val Leu Xaa Phe Leu Asp Gln Ile Asn Gln
1 5 10 15
Arg

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<400> 294

His Ala Lys Ala Ser Arg Thr Ser Xaa Lys His Lys Glu Asp Val Tyr

1	5	10	15
Glu			

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<400> 295			
Pro	Trp	Thr	Phe
1	5	10	15
Val			

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<400> 296			
Lys	Asn	Gln	Gly
1	5	10	15
Thr			

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<400> 297			
Pro	Leu	Asn	Cys
1	5	10	15
Met			

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 <400> 298
 Ala Asp Lys Glu Lys Ser Lys Gly Xaa Leu Lys Arg Lys
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 <400> 299
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 1 5 10 15
 Lys

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 <400> 300
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 1 5 10 15
 Ser

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 <400> 301
 Arg Ser Gly Arg Arg Arg Gly Xaa Gln Lys Ser Thr Asp Ser
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 <400> 303
 Phe Glu Arg Gly Arg Arg Gly Xaa Lys Lys Gly Ser Ile Asp
 1 5 10

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 <400> 304
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 <400> 305
 Phe Lys Arg Arg Lys Arg Lys Xaa Leu Gln Arg His Lys
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 <400> 306
 Ile Lys Lys Arg Arg Thr Lys Xaa Ser Arg Arg Gly Val Ser
 1 5 10

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 <400> 307
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<400> 308
 Pro Glu Val Lys Leu Arg Arg Xaa Lys Lys Arg Thr Lys Arg
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<400> 309
 Tyr Ser Leu Val Arg Thr Arg Xaa Arg Arg Leu Thr Phe Arg
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<400> 310
 Gly Gly Asn Arg Lys Gly Lys Xaa Lys Lys Trp Arg Gln Met
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<400> 311
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<400> 312
Arg Phe Ser Arg Arg Ser Ser Xaa Trp Arg Ile Leu Gly Ser
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<400> 313
Arg Arg Gly Thr Phe Lys Arg Xaa Lys Leu Arg Ala Arg Asp
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<400> 314
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<400> 317
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<400> 319
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<400> 320
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<223> Xaa = pT (phosphorylated threonine)

<400> 321
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<223> Xaa = pS (phosphorylated serine)

<400> 322
 Glu Gln Gln Arg Arg Ala Leu Xaa Phe Arg Gln Thr Ser Trp
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<400> 323
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<220>
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 <223> Xaa = pS (phosphorylated serine)

<400> 324
 Lys Thr Lys Lys Lys Arg Gly Xaa Tyr Arg Gly Gly Ser Ile
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<400> 325
 Ala Ala Arg Lys Lys Arg Ile Xaa Val Lys Lys Lys Gln Glu
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<400> 326
Lys Lys Lys His Arg Lys Asn Xaa Arg Lys His Lys
1 5 10

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<400> 327
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<400> 328
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1 5 10

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<400> 329
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<400> 330
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<400> 331
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<400> 332
Glu Thr Gln Asp Arg Arg Lys Xaa Leu Phe Lys Lys Ile Ser
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<400> 333
Met Ala Arg Arg Ser Lys Arg Xaa Arg Arg Arg Glu Thr Gln
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<400> 334
Arg Arg Arg Ser Gln Arg Ile Xaa Gln Arg Ile Thr
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<400> 335
Ser Gly Val Arg Arg Arg Arg Xaa Gln Arg Ile Ser Gln Arg
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<400> 336
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<400> 337
 Arg Arg Arg Arg Pro Thr Lys Xaa Lys Gly Ser Lys Ser Ser
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<400> 338
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<400> 339
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<223> Xaa = pS (phosphorylated serine)

<400> 340
Thr Lys Arg His Tyr Arg Lys Xaa Val Arg Ser Arg Ser Arg
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<400> 341
Ala Gly Pro Leu Arg Lys Ser Xaa Leu Lys Lys Gly Gly Arg
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<220>
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<400> 342
Glu Lys Ser His Lys Arg Asn Xaa Val Arg Leu Val Ile Arg
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<400> 343
Thr Pro Ser Phe Leu Lys Lys Xaa Lys Lys
1 5 10

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<400> 344
Arg Arg Xaa Gly Arg Arg Arg Gly
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<400> 345
Asp Gly Gln Lys Arg Lys Lys Xaa Leu Arg Lys Lys Leu Asp
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<400> 346
Asn Arg Leu Arg Arg Lys Ser Xaa Thr Arg His Ile His Ala
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<400> 347
Asn Arg Leu Arg Arg Lys Xaa Ser Thr Arg His Ile His
1 5 10

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<400> 348
Arg Gly Phe Leu Arg Ser Ala Xaa Leu Gly Arg Arg
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<400> 349
Gly Ser Glu Gly Arg Arg Xaa Arg Ser Arg Arg Tyr Ser
1 5 10

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<223> Xaa = pT (phosphorylated threonine)

<400> 350
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1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 351
Arg Arg Arg Ser Arg Thr Phe Xaa Arg Ser Ser Ser
1 5 10

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<400> 352
Tyr Arg Trp Lys Arg Arg Arg Xaa Tyr Ser Arg Glu His Glu
1 5 10

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<400> 353
Leu Arg Arg Ser Lys Lys Arg Xaa Lys Arg Ser Ser
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<400> 354
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1 5 10

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<400> 355
Ala Val Gly Arg His Ser Phe Xaa Arg Arg
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<400> 356
Arg Glu Arg Arg Glu Arg Xaa Arg Ser Arg Arg Lys Gln
1 5 10

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<400> 357
 Glu Arg Arg Glu Arg Ser Arg Xaa Arg Arg Lys Gln His Leu
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<400> 358
 Lys Arg Pro Arg Arg Lys Ser Xaa Arg Arg Lys Lys
 1 5 10

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<400> 359
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<400> 360
 Lys Ala Thr Thr Lys Lys Arg Xaa Leu Arg Lys Asn Asp Arg
 1 5 10

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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 361
Arg Arg Arg Ser Leu Arg Arg Xaa Asn Ser Ile Ser Lys Ser
1 5 10

<210> 362
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 362
Arg Ser Leu Arg Arg Ser Asn Xaa Ile Ser Lys Ser Pro Gly
1 5 10

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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 363
Asp Arg Phe Ser Arg Arg Ser Xaa Ser Trp Arg Ile Leu Gly
1 5 10

<210> 364
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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 364
Asp Arg Phe Ser Arg Arg Xaa Ser Ser Trp Arg Ile Leu
1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 365
Val Gln Arg His Arg Xaa Met Arg Lys Thr Phe Ala
1 5 10

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<400> 366
Ala Gly Ser Phe Lys Arg Asn Xaa Ile Lys Lys Ile Val
1 5 10

<210> 367
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<400> 367
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1 5 10

<210> 368
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<400> 368
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1 5 10

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<400> 369
Arg Ala Ser Ser Arg Ser Thr Xaa Lys Lys Arg
1 5 10

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<400> 370
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1 5 10

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<400> 371
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<400> 372
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<400> 373
Lys Lys Arg Glu Arg Lys Thr Xaa Ser Lys Ser Ser Val Arg
1 5 10

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<400> 374
Lys His Thr Lys Arg Lys Ser Xaa Thr Val Met Lys
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<223> Xaa = pT (phosphorylated threonine)

<400> 375
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1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 376
Lys Ser Ile Tyr Arg Arg Gly Xaa Arg Arg Trp Arg
1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 377
Asn Val Met Lys Arg Lys Phe Xaa Leu Arg Ala Ala Glu Phe
1 5 10

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<400> 378
Arg Ser Ala Ser Lys Arg Arg Xaa Arg Phe Ser Ser
1 5 10

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<400> 379
Glu Lys Ile Lys Arg Ser Xaa Leu Lys Lys Val Asp Ser
1 5 10

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<400> 380
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1 5 10

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<400> 381
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<400> 382
Arg Ala Arg Arg Asp Xaa Leu Lys Lys Ile Glu Ile
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<223> Xaa = pS (phosphorylated serine)

<400> 383
Ala Leu Arg Arg Pro Xaa Leu Arg Arg Glu Ala Asp
1 5 10

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<223> Xaa = pT (phosphorylated threonine)

<400> 384
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1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 385
Asp Asp Phe Leu Arg Arg Ser Xaa Ser Arg Arg Asn Arg Ser
1 5 10

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<400> 386
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1 5 10

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<400> 387
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1 5 10

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<400> 389
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<400> 390
Arg Met Val Arg Arg Xaa Lys Lys Ser Lys Lys Lys
1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 391
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<400> 392
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<400> 393
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<400> 394
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<400> 395
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<220>
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<400> 396
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1 5 10

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<400> 397
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1 5 10

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<400> 398
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<400> 399
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<400> 401
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<400> 402
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<400> 403
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<400> 404
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<400> 406
Trp Lys Arg Arg Arg Ser Tyr Xaa Arg Glu His Glu Gly Arg
1 5 10

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<400> 407
Phe Ile Lys Lys Arg Arg Xaa Lys Ser Ser Arg Arg Gly
1 5 10

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<400> 408
Lys Ser Ser Arg Arg Gly Val Xaa Arg Glu
1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 409
Ser Lys Lys Arg Thr Lys Arg Xaa Ser
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<400> 411
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<400> 412
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<400> 413
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<400> 415
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 1 5 10

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<400> 416
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<400> 417
Lys Thr Phe Ala Arg Tyr Leu Xaa Phe Arg Arg Asp
1 5 10

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<400> 418
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<400> 419
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1 5 10

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<400> 422
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<400> 423
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1 5 10

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<400> 424
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<400> 425
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<400> 426
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  1              5

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<400> 427
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<400> 428
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 1 5 10

<210> 429
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<400> 429
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<400> 430
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 1 5 10

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<400> 431
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1 5 10

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<220>
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<222> 8
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<400> 432
Ala Pro Leu Arg Arg Arg Glu Xaa Met His Val Glu Gln Arg
1 5 10

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<400> 433
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1 5 10

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<400> 434
 Lys Asp Lys Arg Gln Leu Arg Xaa Ser Lys Lys Tyr Lys
 1 5 10

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<400> 435
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<400> 436
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<400> 437
 Ser Arg Ser Arg His Arg Leu Xaa Arg Ser Arg
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<400> 438
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1 5 10

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<400> 439
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1 5 10

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1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 442
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<223> Xaa = pS (phosphorylated serine)

<400> 443
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1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 444
Thr Thr Lys Lys Arg Ser Lys Xaa Arg Ser Lys Glu Arg Thr
1 5 10

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<400> 445
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1 5 10

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<400> 446
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<400> 447
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1 5 10

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1 5 10

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<223> Xaa = pS (phosphorylated serine)

<400> 449
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<400> 453
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  1             5             10

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1 5 10

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<400> 460
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1 5 10

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<222> 7
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<400> 461
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1 5 10

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<220>
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<223> Xaa = pT (phosphorylated threonine)

<400> 462
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1 5 10

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<400> 463
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1 5 10

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<400> 469
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1 5 10

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<400> 472
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<400> 473
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1 5 10

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<210> 625
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1 5 10

<210> 627
<211> 12
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1 5 10

<210> 628
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1 5 10

<210> 629
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1 5 10

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1 5 10

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1 5 10

<210> 632
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1 5 10 15
Lys

<210> 633
<211> 17
<212> PRT
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<220>
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<400> 633
Glu Asp Gly Ala Thr Pro Ser Pro Ser Asn Glu Thr Pro Lys Lys Lys
1 5 10 15
Lys

<210> 634
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<220>
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<400> 634
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Phe

<210> 635
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<212> PRT
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<220>
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<400> 635
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Ser

<210> 636
<211> 17
<212> PRT
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<220>
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<400> 636
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1 5 10 15
Phe

<210> 637
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<220>
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<400> 637
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1 5 10 15
Lys

<210> 638
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<220>
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<400> 638
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1 5 10 15
Ala

<210> 639
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
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<400> 639
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Gly

<210> 640
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 640
Val Ala Pro Glu Lys Pro Pro Ala Ser Asp Glu Thr Lys Ala Ala Glu
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Glu